

WHAT IS CLAIMED IS:

1. An ink over-spray containment apparatus, comprising:  
a first member having a first fluidic transport coefficient and a first ink affinity; and  
a second member coupled to said first member, said second member having a second fluidic transport coefficient lesser than said first fluidic transport coefficient and a second ink affinity greater than said first ink affinity.
2. The apparatus of claim 1, wherein said first member comprises porous plastic.
3. The apparatus of claim 2, wherein said second member comprises needle felt.
4. The apparatus of claim 1, and further comprising a third member coupled to said second member, said third member having a third fluidic transport coefficient lesser than said second fluidic transport coefficient and a third ink affinity lesser than said second ink affinity.
5. The apparatus of claim 4, wherein said third member comprises a compressible material.
6. The apparatus of claim 5, wherein said compressible material comprises compressible foam.
7. The apparatus of claim 5, wherein said third member is compressibly coupled to said second member.
8. The apparatus of claim 4, wherein said first, second, and third members are supportingly disposed within a platen.
9. The apparatus of claim 8, wherein said platen sealingly supports said first, second, and third members.

10. The apparatus of claim 8, wherein said platen comprises print medium support ribs.

11. An ink over-spray containment apparatus, comprising:  
a first member having a first fluidic transport coefficient and a first ink affinity;  
a second member coupled to said first member having a second fluidic transport coefficient less than said first fluidic transport coefficient and a second ink affinity greater than said first ink affinity; and  
a third member compressibly coupled to said second member, said third member having a third fluidic transport coefficient lesser than said second fluidic transport coefficient and a third ink affinity less than said second ink affinity.

12. The apparatus of claim 11, wherein said first member comprises porous plastic.

13. The apparatus of claim 11, wherein said second member comprises needle felt.

14. The apparatus of claim 11, wherein said third member comprises a compressible material.

15. The apparatus of claim 14, wherein said compressible material comprises compressible foam.

16. The apparatus of claim 14, wherein said third member is compressibly coupled to said second member.

17. The apparatus of claim 11, wherein said first, second, and third members are supportingly disposed within a platen.

18. The apparatus of claim 17, wherein said platen comprises a liquid tight vessel and sealingly supports said first, second, and third members.

19. The apparatus of claim 18, wherein said platen comprises print medium support ribs.

20. A printing device, comprising:  
means for printing; and  
a print medium support, said print medium support including an ink over-spray containment apparatus having;  
a first member having a first fluidic transport coefficient and a first ink affinity;  
a second member coupled to said first member having a second fluidic transport coefficient less than said first fluidic transport coefficient and a second ink affinity greater than said first ink affinity; and  
a third member compressibly coupled to said second member, said third member having a third fluidic transport coefficient lesser than said second fluidic transport coefficient and a third ink affinity less than said second ink affinity.

21. The apparatus of claim 20, wherein said first member comprises porous plastic.

22. The apparatus of claim 20, wherein said second member comprises needle felt.

23. The apparatus of claim 20, wherein said third member comprises a compressible material.

24. The apparatus of claim 23, wherein said compressible material comprises compressible foam.

25. The apparatus of claim 23, wherein said third member is compressibly coupled to said second member.

26. The apparatus of claim 20, wherein said first, second, and third members are supportingly disposed within a platen.

27. The apparatus of claim 26, wherein said platen comprises a liquid tight vessel and sealingly supports said first, second, and third members.

28. The apparatus of claim 27, wherein said platen comprises print medium support ribs.

29. A method of containing fluid over-spray, comprising:  
providing a first member having a first ink affinity, a first fluidic transport coefficient and a sprayed surface;  
providing a second member having an ink affinity greater than said first ink affinity and a fluidic transport coefficient lesser than said first fluidic transport; and  
transporting an ink from said sprayed surface to said second member.

30. The method of claim 29, further comprising containing said ink within said second member.

31. The method of claim 30, further comprising preventing said ink from migrating back to said first member.

32. The method of claim 30, further comprising providing a third member to said second member, said third member having a lower fluid affinity and lower fluidic transport coefficient than said second member.

33. The method of claim 32, further comprising transporting said ink from said third member to said second member.

34. The method of claim 32, further comprising increasing a contact surface area between said first and second members.

35. The method of claim 32, and further comprising disposing said first, second, and third members within a platen to contain a seepage of said ink from said first, second, and third members.

36. A method of forming an ink over-spray containment apparatus, comprising:  
providing a platen;  
providing a first member having a first ink affinity and a first fluidic transport coefficient; and  
providing a second member having a second ink affinity higher than said first ink affinity and a fluidic transport coefficient lower than said first fluidic transport coefficient.

37. The method of claim 36, further comprising providing a third member to said second member, said third member having a lower fluid affinity and lower fluidic transport coefficient than said second member.

38. The method of claim 37, further comprising providing a platen and coupling said first, second, and third members to said platen.

39. The method of claim 37, wherein said platen comprises a liquid-tight vessel.

40. The method of claim 38, wherein said platen comprises print medium support ribs.

41. An ink over-spray containment system, comprising:  
ink transport means for transporting ink away from a sprayed surface having an ink affinity and a fluidic transport coefficient; and  
ink containment means for containing said ink, said ink containment means having greater ink affinity and lesser fluidic transport characteristics than said ink transport means.

42. The system of claim 41, further comprising means for increasing contact surface area between said ink transport means and said ink containment means.

**200311912-1**

43. The system of claim 42, further comprising means for sealingly supporting said ink transport means, said ink containment means, and said contact surface area increasing means.